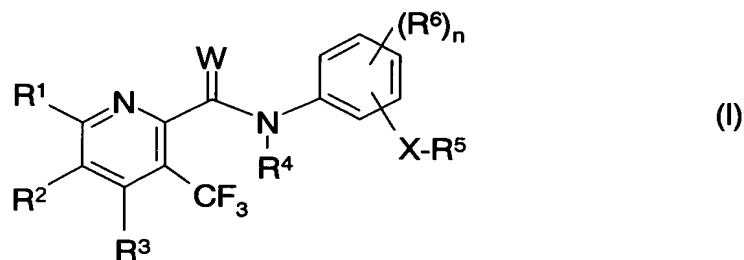


We claim: -

1. A 3-trifluoromethylpicolinic acid anilide of the formula I,



in which n is 0, 1, 2, 3 or 4 and the substituents are as defined below:

- X is O, S or a direct bond;
W is O or S;
R¹, R², R³ independently of one another are hydrogen, halogen, nitro, CN, C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₂-C₄-alkenyl, C₂-C₄-alkynyl, C₁-C₄-alkoxy, where some or all of the hydrogen atoms in the 4 last-mentioned groups may be substituted by halogen;
R⁴ is hydrogen, OH, C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₁-C₄-alkoxy, where some or all of the hydrogen atoms in the 3 lastmentioned groups may be substituted by halogen;
R⁵ is unsubstituted C₄-C₁₂-alkyl, C₃-C₁₂-cycloalkyl, C₃-C₁₂-alkenyl, C₅-C₁₂-cycloalkenyl, C₃-C₁₂-alkynyl, C₃-C₁₂-cycloalkyl-C₁-C₄-alkyl, where the 5 lastmentioned groups may in each case have 1, 2 or 3 substituents R⁹, and where some or all of the hydrogen atoms in the 5 lastmentioned groups may be substituted by halogen;
C₁-C₁₂-haloalkyl, C₁-C₁₂-alkyl which has 1, 2 or 3 substituents R¹¹, a group -C(R¹⁰)=NOR⁸, a group -C(O)NR¹³R¹⁴, phenyl, phenyl-C₁-C₆-alkyl, phenyl-C₂-C₆-alkenyl, phenyl-C₂-C₆-alkynyl, phenyloxy-C₁-C₆-alkyl, phenyloxy-C₂-C₆-alkenyl, phenyloxy-C₂-C₆-alkynyl, where the alkyl, alkenyl- and the alkynyl moiety in the 6 lastmentioned groups may have 1, 2, 3 or 4 substituents R¹¹ and the phenyl ring in the 7 lastmentioned groups may carry 1, 2, 3 or 4 radicals R⁷;
R⁶ has the meanings mentioned for R¹ which are different from hydrogen;
R⁷ is C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₁-C₄-alkoxy, C₂-C₄-alkenyl, C₂-C₄-alkenyloxy, C₂-C₄-alkynyl, C₂-C₄-alkynyloxy, where some or all of the hydrogen atoms in these 7 groups may be substituted by halogen, is

- OH, halogen, nitro, CN, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, -C(O)R¹², NR¹³R¹⁴, -C(O)NR¹³R¹⁴, -C(S)NR¹³R¹⁴, -C(R¹⁰)=NOR⁸, phenyl, which may have 1, 2, 3 or 4 of the groups mentioned under R⁶, phenoxy, which may have 1, 2, 3 or 4 of the groups mentioned under R⁶, C₁-C₆-alkyl-phenyl, where some or all of the hydrogen atoms of the alkyl moiety may be substituted by halogen and the phenyl ring may have 1, 2, 3 or 4 of the groups mentioned under R⁶, where two radicals R⁷ attached to adjacent carbon atoms may also be CH=CH-CH=CH or an alkylene chain having 3 to 5 members in which 1 or 2 not adjacent CH₂ groups may also be replaced by oxygen or sulfur and in which some or all of the hydrogen atoms may be replaced by halogen;
- R⁸ is C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₂-C₄-alkenyl, C₂-C₄-alkynyl, where some or all of the hydrogen atoms in these 4 groups may be substituted by halogen,
- phenyl or phenyl-C₁-C₆-alkyl, where phenyl in the two lastmentioned radicals may have 1, 2, 3 or 4 of the groups mentioned under R⁶;
- R⁹ is C₁-C₄-alkyl, C₁-C₈-alkoxy, C₂-C₈-alkenyloxy, C₂-C₈-alkynyloxy, C₁-C₄-alkoxy-C₁-C₈-alkoxy, where some or all of the hydrogen atoms in these groups may be substituted by halogen;
- R¹⁰ is hydrogen, halogen, C₁-C₈-alkoxy, C₂-C₈-alkenyloxy, C₂-C₈-alkynyloxy, C₁-C₄-alkoxy-C₁-C₈-alkoxy, C₁-C₁₂-alkyl, C₃-C₁₂-cycloalkyl, C₂-C₁₂-alkenyl, C₅-C₁₂-cycloalkenyl, C₃-C₁₂-cycloalkyl-C₁-C₄-alkyl, where some or all of the hydrogen atoms in the 9 lastmentioned groups may be substituted by halogen;
- phenyl which may have 1, 2, 3 or 4 of the groups mentioned under R⁷,
- R¹¹ is halogen, C₁-C₄-alkyl, C₁-C₈-alkoxy, C₁-C₈-alkoxy-C₁-C₈-alkoxy, C₂-C₈-alkenyloxy, C₂-C₈-alkynyloxy, C₁-C₄-alkoxy-C₁-C₈-alkoxy, where some or all of the hydrogen atoms in these groups may be substituted by halogen;
- R¹² is hydrogen, OH, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₂-C₄-alkenyl, C₂-C₄-alkynyl, C₂-C₄-alkenyloxy, C₂-C₄-alkynyloxy, C₁-C₄-alkoxy-C₁-C₄-alkoxy, where some or all of the hydrogen atoms in the 7 lastmentioned groups may be substituted by halogen;
- R¹³, R¹⁴ independently of one another are hydrogen, C₁-C₄-alkyl, C₂-C₄-alkenyl, C₂-C₄-alkynyl, where some or all of the hydrogen atoms in these groups may be substituted by halogen;

or an agriculturally useful salt of I.

2. The anilide of the formula I according to claim 1 in which R¹, R² and R³

independently of one another are hydrogen, halogen, C₁-C₄-alkyl or C₁-C₄-haloalkyl.

- 5 3. The anilide of the formula I according to claim 1 in which R¹, R² and R³ are each hydrogen.
4. The anilide of the formula I according to any of the preceding claims in which R⁴ is selected from the group consisting of hydrogen, methyl, OH and methoxy.
- 10 5. The anilide of the formula I according to claim 4 in which R⁴ is hydrogen.
6. The anilide of the formula I according to any of the preceding claims in which R⁵ has one of the meanings below:
- 15 - unsubstituted C₄-C₁₂-alkyl, C₃-C₁₂-cycloalkyl, C₂-C₁₂-alkenyl, C₅-C₁₂-cycloalkenyl, C₂-C₁₂-alkynyl, where some or all of the hydrogen atoms in the four lastmentioned groups may be substituted by halogen and some or all of the hydrogen atoms in C₃-C₁₂-cycloalkyl may be substituted by C₁-C₄-alkyl,
- 20 - C₁-C₁₂-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, C₁-C₄-haloalkoxy-C₁-C₄-alkyl;
- phenyl, phenyl-C₁-C₆-alkyl, where the phenyl ring may be substituted by 1, 2, 3 or 4 radicals R⁷; or
- -C(C₁-C₄-alkyl)=NO-R⁸, where some or all of the hydrogen atoms of the C₁-C₄-alkyl group may be substituted by halogen.
- 25 7. The anilide of the formula I according to any of the preceding claims in which R⁶ has the following meanings: C₁-C₄-alkyl, C₁-C₄-alkoxy, where these groups may be substituted by halogen, or halogen.
- 30 8. The anilide of the formula I according to any of the preceding claims in which n = 0.
9. The anilide of the formula I according to claim 9 in which R¹, R² and R³ each represent hydrogen and the group X-R⁵ is attached in the ortho or meta position to the amide nitrogen.
- 35 10. The anilide of the formula I according to any of the preceding claims in which X is a direct bond or oxygen.
- 40 11. The anilide of the formula I according to claim 10 in which the group X is oxygen or a direct bond and R⁵ has one of the meanings below:

- unsubstituted C₄-C₁₂-alkyl, C₃-C₁₂-cycloalkyl, C₂-C₁₂-alkenyl, C₅-C₁₂-cycloalkenyl, C₂-C₁₂-alkynyl, where some or all of the hydrogen atoms in the four lastmentioned groups may be substituted by halogen and some or all of the hydrogen atoms in C₃-C₁₂-cycloalkyl may be substituted by C₁-C₄-alkyl;
 - 5 - C₁-C₁₂-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, C₁-C₄-haloalkoxy-C₁-C₄-alkyl;
 - phenyl, phenyl-C₁-C₆-alkyl, where the phenyl ring may be substituted by 1, 2, 3 or 4 radicals R⁷; or
 - -C(C₁-C₄-alkyl)=NO-R⁸, where some or all of the hydrogen atoms of the C₁-C₄-alkyl group may be substituted by halogen.
- 10
12. The use of the 3-trifluoromethylpicolinic acid anilide of the formula I and the agriculturally acceptable salt thereof according to any of the preceding claims for controlling harmful fungi.
- 15 13. A fungicidal composition, comprising a fungicidally effective amount of at least one 3-trifluoromethylpicolinic acid anilide of the formula I or the agriculturally acceptable salt of I according to any of claims 1 to 11.
- 20 14. A method for controlling harmful fungi, which method comprises treating the harmful fungi, their habitat or the plants, areas, materials or spaces to be kept free from them with at least one fungicidally effective amount of the 3-trifluoromethylpicolinic acid anilide of the formula I or the agriculturally acceptable salt of I according to any of claims 1 to 11.